

What is claimed is:

1. A light emitting device having a substrate and a light-emitting section provided on the substrate, and emitting  
5 light in a direction intersecting the substrate,

wherein the light-emitting section comprises:

a light-emitting layer in which light is generated by electro-luminescence;

an electrode used to apply electric charges to the  
10 light-emitting layer; and

first and second dielectric multi-layered films between which the light-emitting layer is interposed; and

wherein the electrode is disposed to avoid overlap with at least part of a light-emitting region in the light-emitting  
15 layer, as viewed from a light emitting direction.

2. The light emitting device as defined in Claim 1, comprising as the electrode:

a first electrode formed of a pair of electrode layers  
20 used to apply electrons to the light-emitting layer; and

a second electrode formed of a pair of electrode layers used to apply holes to the light-emitting layer.

3. The light emitting device as defined in Claim 2,  
25 wherein the first electrode is connected to an electron transport layer and the second electrode is connected to a hole transport layer.

4. The light emitting device as defined in Claim 3, further comprising:

a third electrode disposed to interpose an insulating layer between the first electrode and the third electrode; and

a fourth electrode disposed to interpose another insulating layer between the second electrode and the fourth electrode.

10 5. The light emitting device as defined in Claim 2,

wherein the first electrode is disposed on one side of the light-emitting layer and the second electrode is disposed on the other side of the light-emitting layer, in the direction intersecting the substrate.

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6. The light emitting device as defined in Claim 2,

wherein the first electrode is disposed on one side of the light-emitting layer and the second electrode is disposed on the other side of the light-emitting layer, in a direction parallel to a surface of the substrate.

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7. The light emitting device as defined in Claim 1,

wherein a wavelength band of a light reflected on the first and second dielectric multi-layered film is included in a wavelength band of a light generated in the light-emitting layer.

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8. A light emitting device having a substrate and a light-emitting section provided on the substrate, and emitting light in a direction intersecting the substrate,

wherein the light-emitting section comprises:

5 a light-emitting layer in which light is generated by electro-luminescence;

an electrode used to apply electric charges to the light-emitting layer; and

10 first and second dielectric multi-layered films between which the light-emitting layer is interposed; and

wherein the electrode includes a cathode and an anode disposed to avoid overlap with at least part of a light-emitting region in the light-emitting layer, as viewed from a light emitting direction.

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9. The light emitting device as defined in Claim 8,

wherein the cathode is disposed on one side of the light-emitting region and the anode is disposed on the other side of the light-emitting region, in the direction  
20 intersecting the substrate.

10. A light emitting device comprising:

a substrate;

25 a light-emitting layer in which light is generated by electro-luminescence;

first and second dielectric multi-layered films between which the light-emitting layer is interposed in a direction

intersecting the substrate;

at least one transport layer of a first electric charge transport layer disposed on one side of the light-emitting layer and the second electric charge transport layer disposed on the other side of the light-emitting layer, in the direction intersecting the substrate;

a first electrode formed of a pair of electrode layers used to apply first electric charges to the light-emitting layer; and

10 a second electrode formed of a pair of electrode layers used to apply second electric charges to the light-emitting layer,

wherein the first and second electrodes are disposed to avoid overlap with at least part of a light-emitting region in the light-emitting layer, as viewed from a light emitting direction.

11. The light emitting device as defined in Claim 10,

wherein the first electrode is connected to the first electric charge transport layer and the second electrode is connected to the second electric charge transport layer.

12. The light emitting device as defined in Claim 10, further comprising:

25 a third electrode that is a layer keeping away from the first electrode and included in the first dielectric multi-layered film; and

a fourth electrode that is a layer keeping away from the second electrode and included in the second dielectric multi-layered film.

5 13. A light emitting device comprising:

a substrate;

a light-emitting layer in which light is generated by electro-luminescence;

10 first and second dielectric multi-layered films between which the light-emitting layer is interposed in a direction intersecting the substrate;

at least one transport layer of a first electric charge transport layer disposed on one side of the light-emitting layer and the second electric charge transport layer disposed on the 15 other side of the light-emitting layer, in a direction parallel to a surface of the substrate;

a first electrode formed of a pair of electrode layers used to apply first electric charges to the light-emitting layer; and

20 a second electrode formed of a pair of electrode layers used to apply second electric charges to the light-emitting layer,

wherein the first and second electrodes are disposed to avoid overlap with at least part of a light-emitting region in 25 the light-emitting layer, as viewed from a light emitting direction.

14. The light emitting device as defined in Claim 13,  
wherein the first electrode is connected to the first  
electric charge transport layer and the second electrode is  
connected to the second electric charge transport layer.

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15. The light emitting device as defined in Claim 13, further  
comprising:

a third electrode disposed to interpose an insulating  
layer between the first electrode and the third electrode; and

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a fourth electrode disposed to interpose another  
insulating layer between the second electrode and the fourth  
electrode.

16. A display device using the light emitting device as  
defined in any one of claims 1 to 15.

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17. An electronic instrument using the display device as  
defined in claim 16.

18. An electronic instrument using the light emitting device  
as defined in any one of claims 1 to 15.

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